

FIG. 1 is a schematic diagram of a system 10 for monitoring a process. The system 10 includes a first PID controller 12 and a second PID controller 14. The first PID controller 12 is connected to a first sensor 16. The second PID controller 14 is connected to a second sensor 18. The first sensor 16 is connected to the second sensor 18 via a communication link 20. The first PID controller 12 is also connected to the second PID controller 14 via a communication link 20. The first PID controller 12 is also connected to a first actuator 22. The second PID controller 14 is also connected to a second actuator 24. The first actuator 22 is connected to the second actuator 24 via a communication link 26. The first actuator 22 is also connected to the first sensor 16 via a communication link 28. The second actuator 24 is also connected to the second sensor 18 via a communication link 30.

10

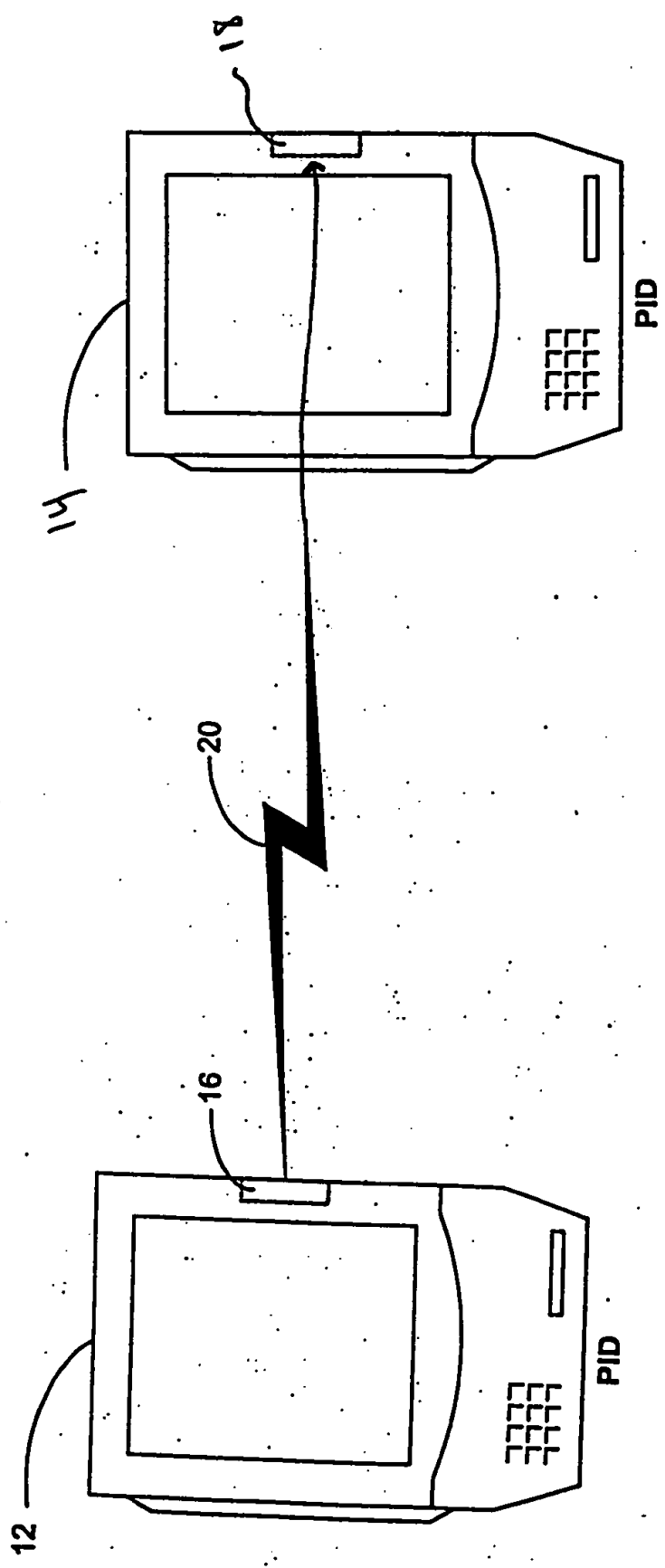


FIG. 1

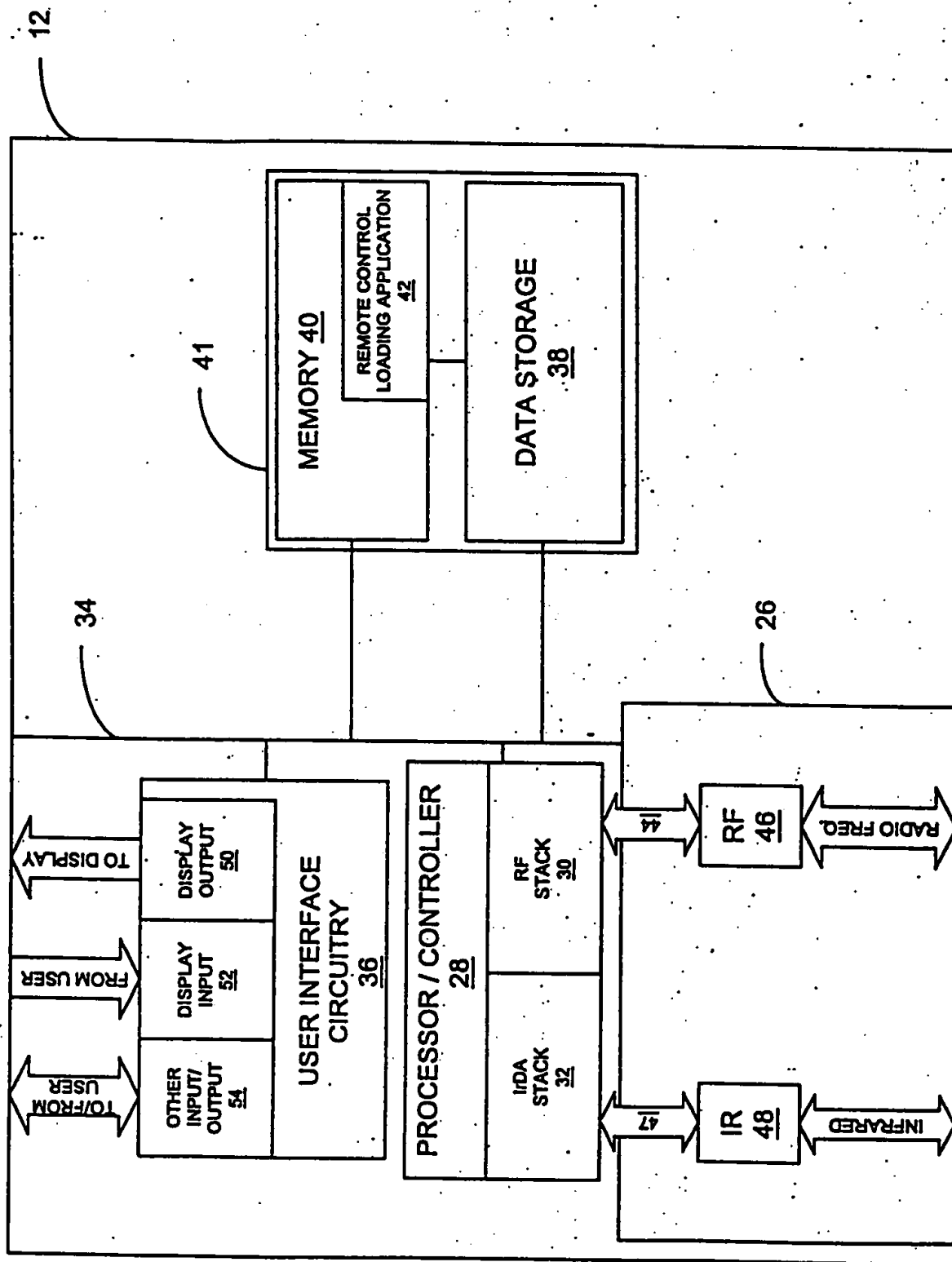


FIG. 2

60

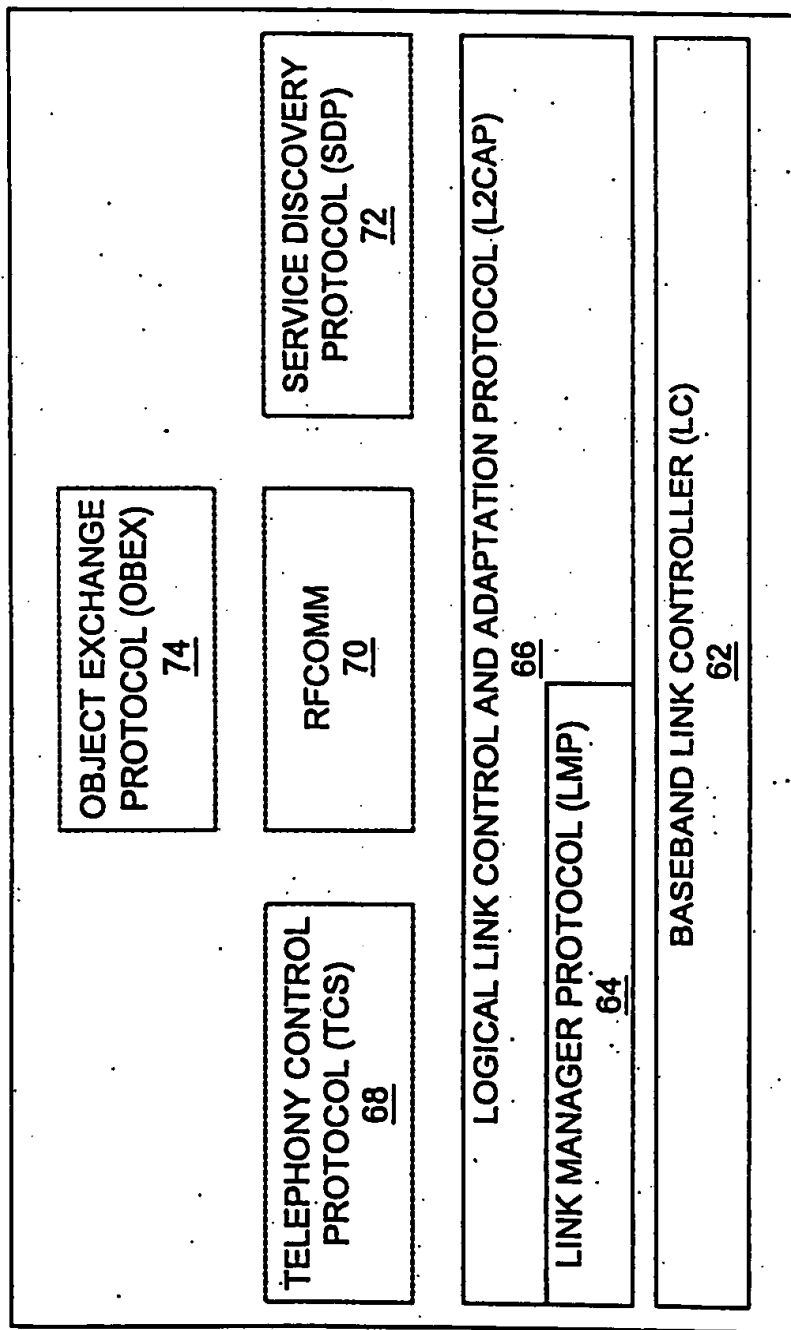


FIG. 3

80

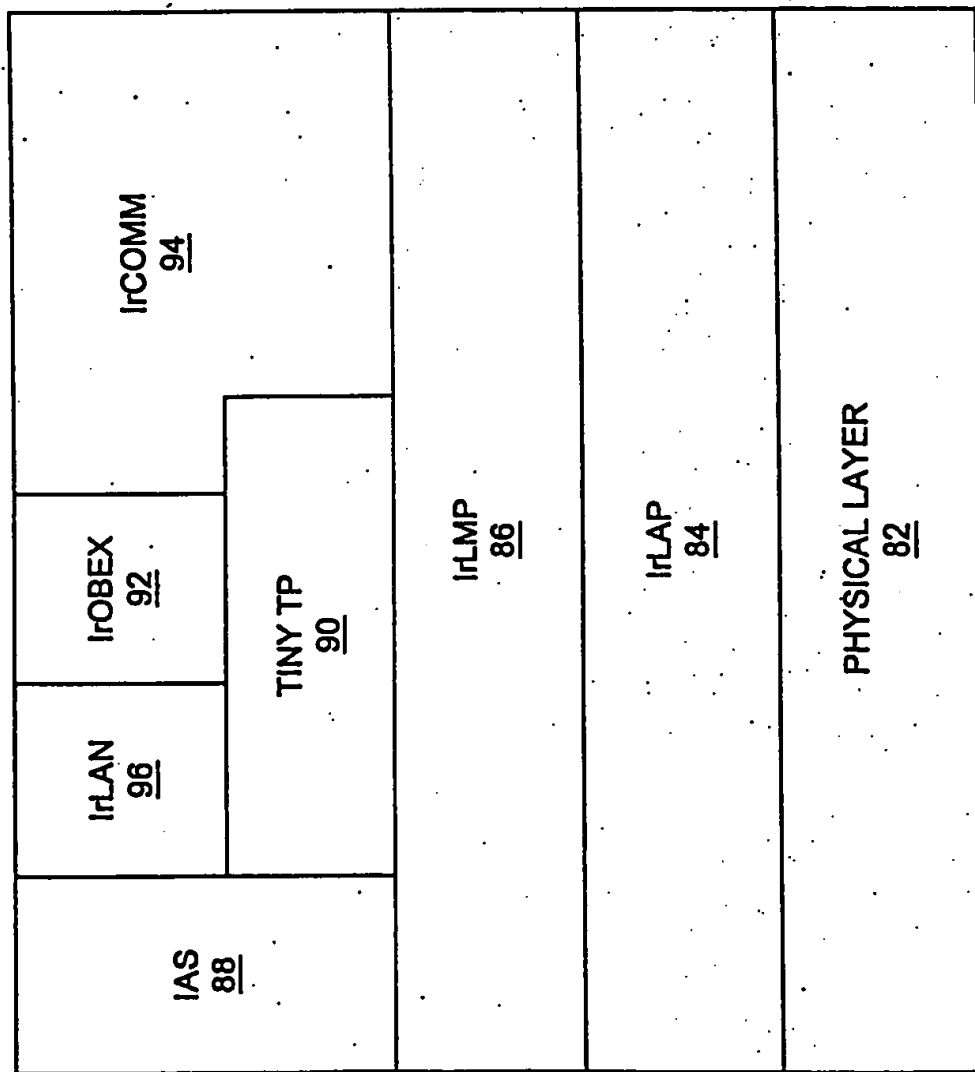


FIG. 4

FIG. 5 is a block diagram of a Personal Information Device (PID) system.

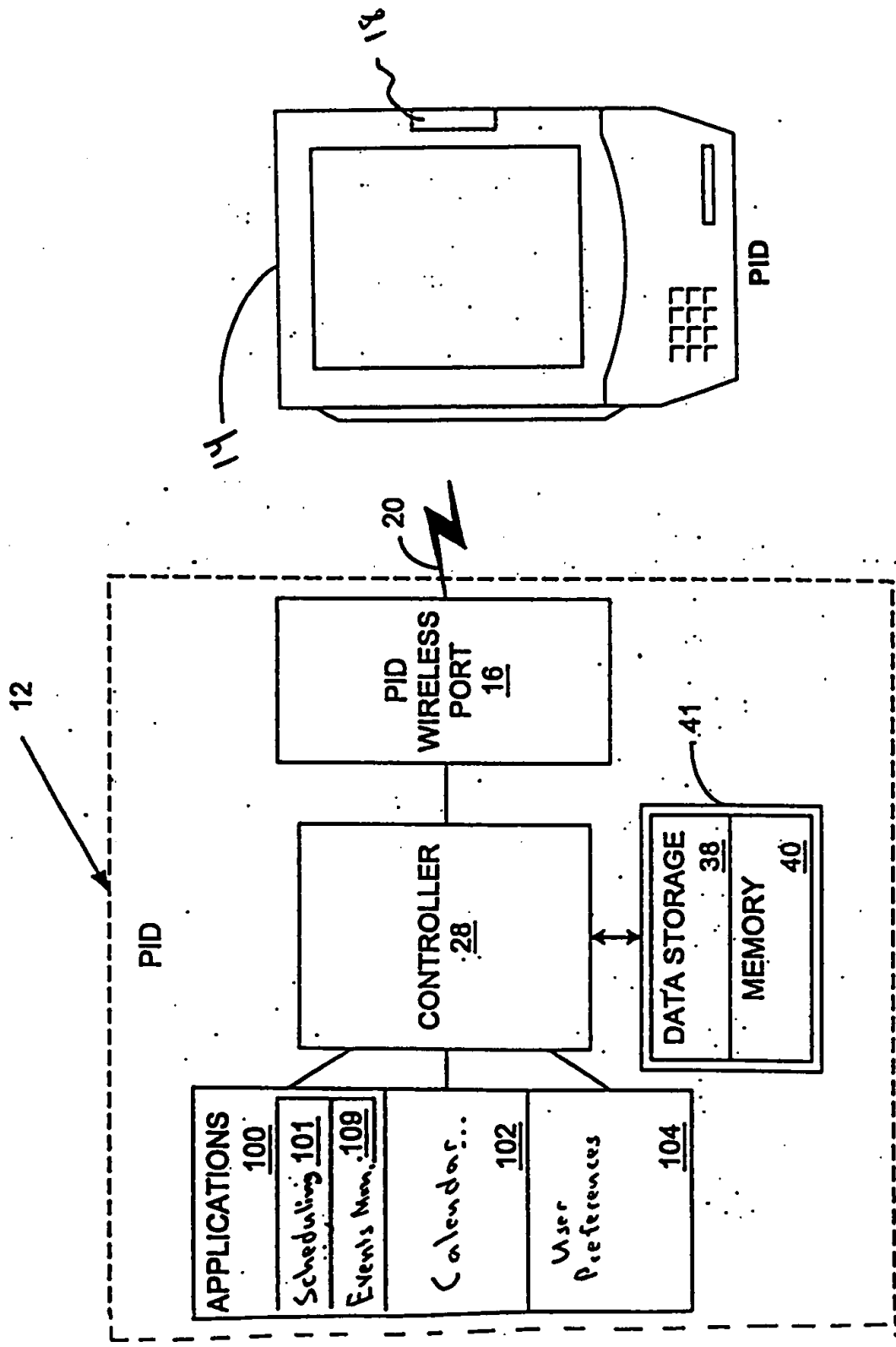


FIG. 5

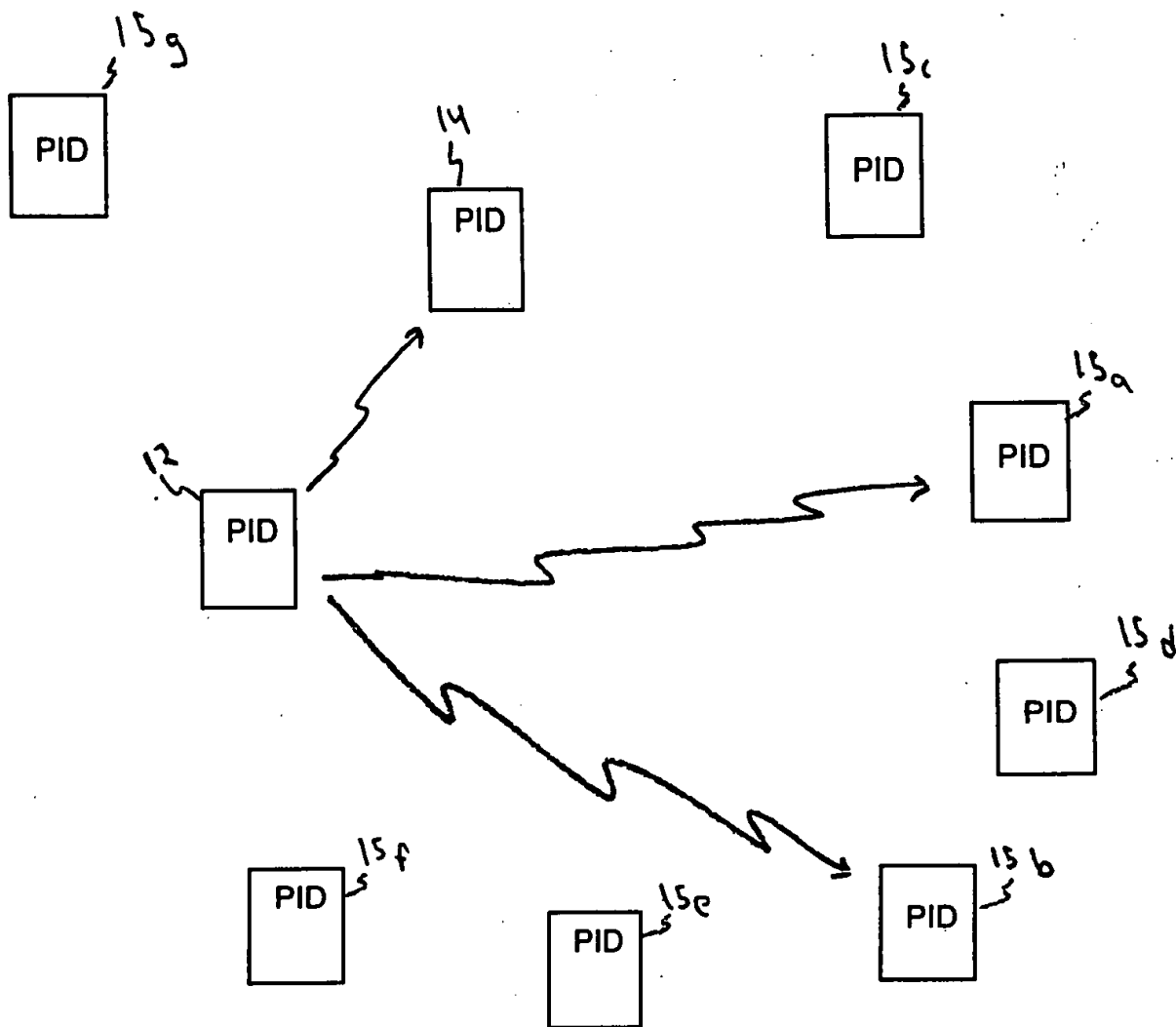


FIG. 6A

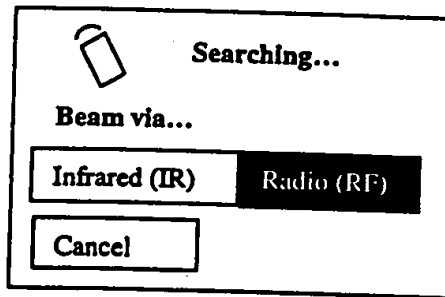


Fig. 6B

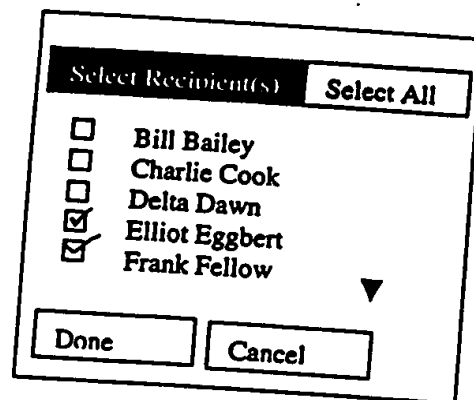
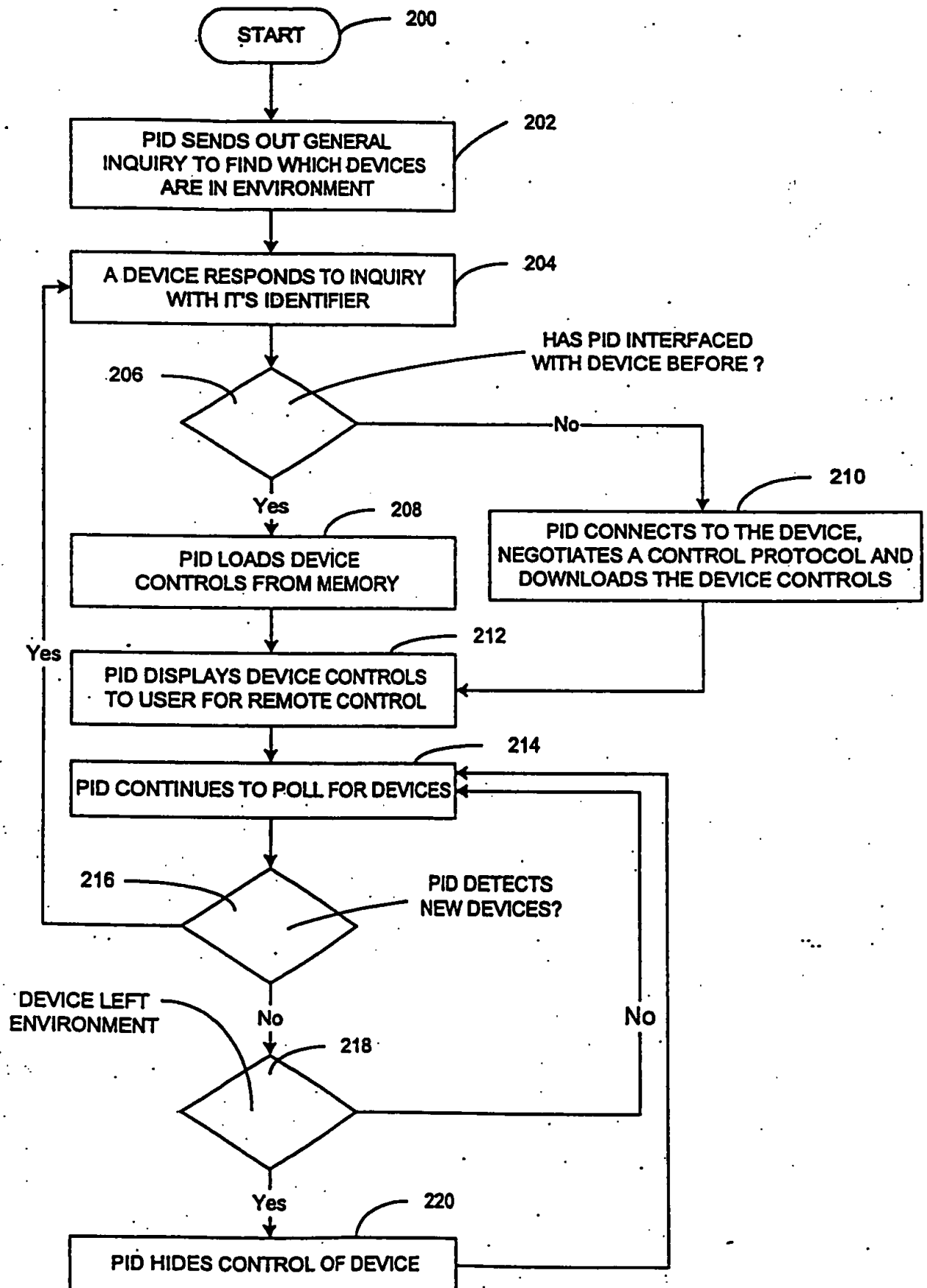


Fig. 6C





800

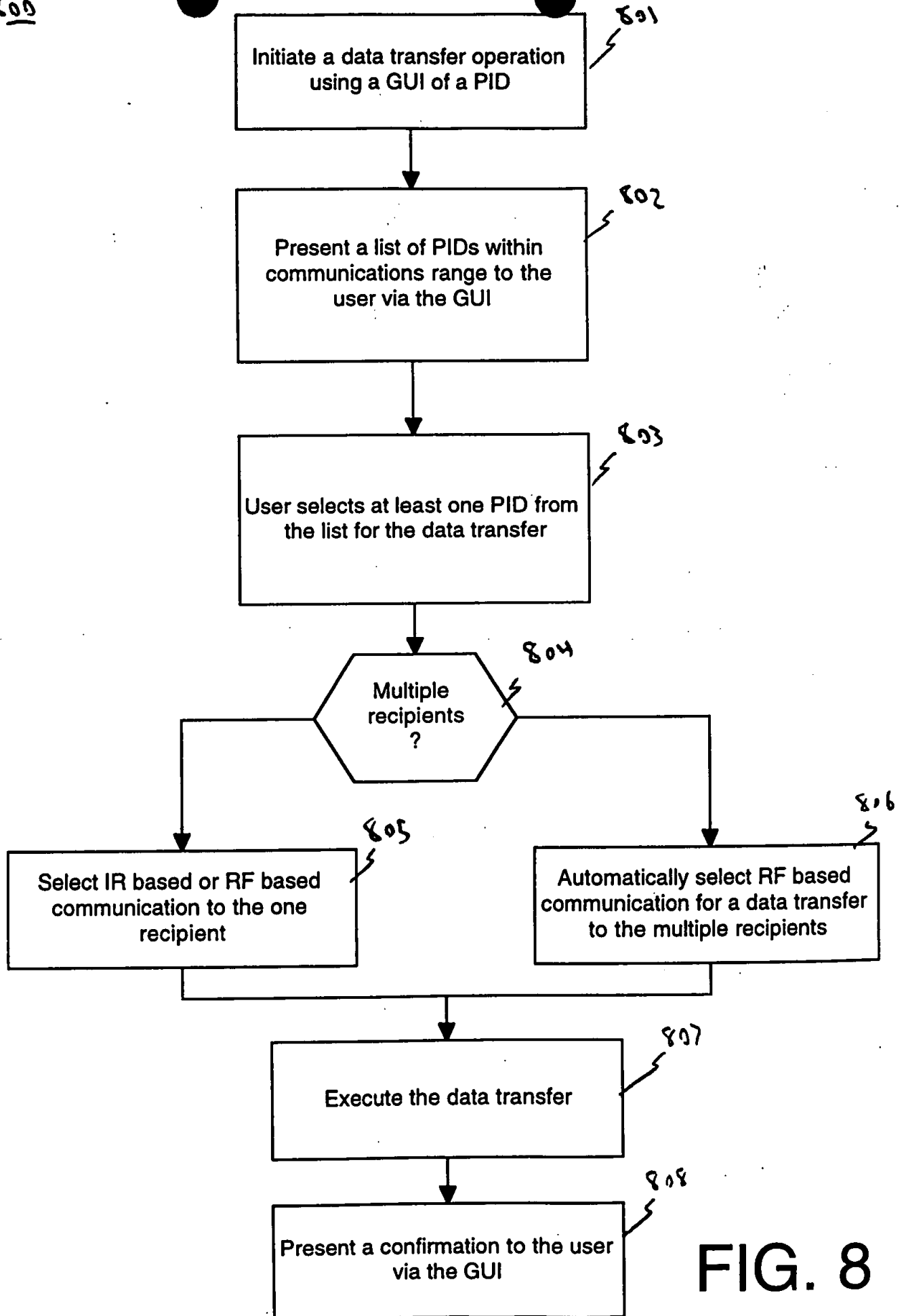


FIG. 8